

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	("20020074558"   "20020096687"   "20020137244"   "5115286"   "5861636"   "5889295"   "6403987"   "6420732"   "6878563").PN.	US-PGPUB; USPAT	OR	ON	2007/12/10 11:34
S2	11	("5157468"   "5210051"   "5376580"   "5625202"   "5661074"   "5780873"   "5786606"   "5862167"   "5874747"   "5928421"   "6060335").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 13:26
S3	165	current adj spreading near5 transparent	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 13:32
S4	76	current adj spreading near5 oxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 13:33
S5	0	("2004/0135166").URPN.	USPAT	OR	ON	2007/12/10 15:08
S6	1	"6847056".pn.	USPAT	OR	ON	2007/12/10 15:08
S7	3	("6057562"   "6420732"   "6459098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 16:21
S8	1	"6614056".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 16:21
S9	9	("5309001"   "5652434"   "5696389"   "5698865"   "5793405"   "5898185"   "5923052"   "5959316"   "6307218").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 16:43
S10	1	"6657236".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 16:43
S11	1	"6459098".pn.	US-PGPUB; USPAT	OR	ON	2007/12/10 19:13
S12	1	"6614056".pn.	US-PGPUB; USPAT	OR	ON	2007/12/10 19:36
S13	844	jacket adj layer	US-PGPUB; USPAT	OR	ON	2007/12/10 19:38

S14	61	jacket adj layer and semiconductor	US-PGPUB; USPAT	OR	ON	2007/12/10 19:38
S15	330	DBR near9 (conduct\$3)	US-PGPUB; USPAT	OR	ON	2007/12/10 20:30
S16	70	DBR near9 (conduct\$3) near3 electric\$4	US-PGPUB; USPAT	OR	ON	2007/12/10 20:45
S17	1	current adj spread\$3 with SnO near Sb	US-PGPUB; USPAT	OR	ON	2007/12/10 20:46
S18	3	current adj spread\$3 with SnO	US-PGPUB; USPAT	OR	ON	2007/12/10 20:47
S19	4	SnO and Sb and current adj spread\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 20:48
S20	703	SnO and Sb	US-PGPUB; USPAT	OR	ON	2007/12/10 20:52
S21	2507	current adj spread\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 20:52
S22	1	current adj spread\$3 with (tin adj4 oxide or stannous adj oxide) with antimony	US-PGPUB; USPAT	OR	ON	2007/12/10 20:53
S23	57	current adj spread\$3 with (tin adj4 oxide or stannous adj oxide)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:03
S24	8	current adj spread\$3 with (tin adj4 oxide or stannous adj oxide) and (Sb or antimony)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:24
S25	4	("5789768"   "5977565"   "6121635"   "6838705"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/10 21:04
S26	87	diffusion with (tin adj4 oxide or stannous adj oxide) and (Sb or antimony)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:24
S27	18	diffusion with (tin adj4 oxide or stannous adj oxide) and (Sb or antimony) and (contact with reflect\$3)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:34
S28	17316	(tin adj4 oxide or stannous adj oxide) and (Sb or antimony)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:34
S29	9217	(tin adj4 oxide or stannous adj oxide) with (Sb or antimony)	US-PGPUB; USPAT	OR	ON	2007/12/10 21:34
S30	0	(tin adj4 oxide or stannous adj oxide) with (Sb or antimony) with thermal adj conductivity	US-PGPUB; USPAT	OR	ON	2007/12/10 21:34

S31	148	(tin adj4 oxide or stannous adj oxide) with (Sb or antimony) with thermal	US-PGPUB; USPAT	OR	ON	2007/12/10 21:35
S32	0	(tin adj4 oxide or stannous adj oxide) with (Sb or antimony) with thermal adj conduct\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 21:35
S33	6	(tin adj4 oxide or stannous adj oxide) with (Sb or antimony) with heat near3 conduct\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 21:38
S34	46	(Sb or antimony) with heat near3 conduct\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 21:39
S35	7	(Sb or antimony) near5 heat near3 conduct\$3	US-PGPUB; USPAT	OR	ON	2007/12/10 22:05
S36	1884	(Sb or antimony) near5 (good or improv\$3)	US-PGPUB; USPAT	OR	ON	2007/12/10 22:05
S37	48	(Sb or antimony) near5 (good or improv\$3) and contact near5 (reflect\$3)	US-PGPUB; USPAT	OR	ON	2007/12/11 13:55
S38	22801	electrode near5 reflect\$3	US-PGPUB; USPAT	OR	ON	2007/12/11 13:55
S39	1234	electrode near5 reflect\$3 with improv\$3	US-PGPUB; USPAT	OR	ON	2007/12/11 13:55
S40	461	electrode near5 reflect\$3 near3 improv\$3	US-PGPUB; USPAT	OR	ON	2007/12/11 13:55
S41	2	electrode near5 reflect\$3 near3 improv\$3 with (current adj spread\$3)	US-PGPUB; USPAT	OR	ON	2007/12/11 14:03
S42	18	electrode near5 reflect\$3 near3 improv\$3 and (current adj spread\$3)	US-PGPUB; USPAT	OR	ON	2007/12/11 14:13
S43	32	tunnel adj junction near5 AlGaAs	US-PGPUB; USPAT	OR	ON	2007/12/11 14:14
S44	0	tunnel adj junction near5 AlGaAs with (improv\$3 or good or excellent)	US-PGPUB; USPAT	OR	ON	2007/12/11 14:15
S45	106	solder adj metallization	US-PGPUB; USPAT	OR	ON	2007/12/11 14:21
S46	17	solder adj metallization with substrate	US-PGPUB; USPAT	OR	ON	2007/12/11 14:21
S47	0	solder adj metallization with substrate with improv \$3	US-PGPUB; USPAT	OR	ON	2007/12/11 14:21
S48	17	solder adj metallization with substrate	US-PGPUB; USPAT	OR	ON	2007/12/11 14:21

S49	1	"20020131462"	US-PGPUB; USPAT	OR	ON	2007/12/11 15:14
S50	1	"6573537".pn.	US-PGPUB; USPAT	OR	ON	2007/12/11 15:50
S51	170527	aluminum near5 current spreading	US-PGPUB; USPAT	OR	ON	2007/12/11 15:50
S52	10	aluminum near5 current adj spreading	US-PGPUB; USPAT	OR	ON	2007/12/11 15:50
S53	1	"6515308".pn.	US-PGPUB; USPAT	OR	ON	2008/08/11 12:05
S54	0	"2002137244"	US-PGPUB; USPAT	OR	ON	2008/08/11 12:31
S55	0	"2002137243"	US-PGPUB; USPAT	OR	ON	2008/08/11 12:33
S56	83	chen-chien-an.in.	US-PGPUB; USPAT	OR	ON	2008/08/11 12:34
S57	42818	(ITO or InO or SnO) with (current adj spread\$3 or electrode) and @ad<"20090829"	US-PGPUB; USPAT	OR	ON	2008/08/11 16:29
S58	18	(ITO and InO and SnO) with (current adj spread\$3 or electrode) and @ad<"20090829"	US-PGPUB; USPAT	OR	ON	2008/08/11 16:29
S59	7	(ITO and InO and SnO) with (current adj spread\$3 or electrode) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 16:30
S60	2	(ITO and InO and SnO) with (current adj spread \$3) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 16:39
S61	34	(ITO or InO or SnO) with (current adj spread\$3) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 16:39
S62	3	("6057562"   "6420732"   "6459098").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/11 16:51
S63	360	(noto-nobuhiko or yamada- masato or endo-masahisa or ikeda-hitoshi or nozaki- shinji or uchida-kazuo or norisaki-hiroshi).in.	US-PGPUB; USPAT	OR	ON	2008/08/11 17:49
S64	267	(noto-nobuhiko or yamada- masato or endo-masahisa or ikeda-hitoshi or nozaki- shinji or uchida-kazuo or norisaki-hiroshi).in. and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 17:49

S65	24	(noto-nobuhiko or yamada-masato or endo-masahisa or ikeda-hitoshi or nozaki-shinji or uchida-kazuo or norisaki-hiroshi).in. and @ad<"20030829" and (ITO or transparent near3 (conductive or electrode) or current adj spread\$3)	US-PGPUB; USPAT	OR	ON	2008/08/11 17:50
S66	1	"5889295".pn.	US-PGPUB; USPAT	OR	ON	2008/08/11 18:19
S67	1	"5861636".pn.	US-PGPUB; USPAT	OR	ON	2008/08/11 18:25
S68	0	(current adj spreading near5 SnO near5 Sb) and thick\$4 near5 (n-type or p-type) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 18:58
S69	0	(current adj spreading near5 SnO near5 Sb) and thick\$4 near5 (n adj3 type or p adj3 type) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 18:59
S71	0	(current adj spreading near5 SnO near5 Sb) and thick\$4 and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:01
S72	0	(current adj spreading near5 (SnO and Sb)) and thick\$4 and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:01
S73	2	(conductive near5 (SnO and Sb)) and thick\$4 and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:02
S74	11	(conductive with (SnO and Sb)) and thick\$4 and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:02
S75	9	S74 not S73	US-PGPUB; USPAT	OR	ON	2008/08/11 19:03
S76	0	(current adj spreading with (SnO and Sb)) and thick\$4 and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:04
S77	0	(current adj spreading with (SnO and Sb)) and @ad<"20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:04
S78	1	(current adj spreading with (SnO and Sb))	US-PGPUB; USPAT	OR	ON	2008/08/11 19:04

S79	0	(SnO with Sb) with (n adj3 layer or p adj3 layer) and @ad< "20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:06
S80	110	(SnO with Sb) and @ad< "20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:06
S81	8	(SnO with Sb) with (current or conduct\$3) and @ad< "20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:08
S82	86	solder adj metallization and @ad< "20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:18
S83	887	jacket adj layer	US-PGPUB; USPAT	OR	ON	2008/08/11 19:56
S84	643	jacket adj layer and @ad< "20030829"	US-PGPUB; USPAT	OR	ON	2008/08/11 19:57
S85	37	jacket adj layer and @ad< "20030829" and semiconductor	US-PGPUB; USPAT	OR	ON	2008/08/11 19:57
S86	5	lattice near \$3match\$3 with (GaP or AlGaAs) with ITO	US-PGPUB; USPAT	OR	ON	2008/08/12 12:02
S87	4	lattice near \$3match\$3 with (GaP or GaAlAs) with ITO	US-PGPUB; USPAT	OR	ON	2008/08/12 12:04
S88	0	lattice near \$3match\$3 with (GaAlAs) with ITO	US-PGPUB; USPAT	OR	ON	2008/08/12 12:04
S89	1	"5861636".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/12 14:51

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